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Consultants and Engineers
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Ph: 9448853634, 8762194186
Email: sapiencebangalore@gmail.com

Job No.: SCE/BBMP/JCP/69/2022-2023 Date:30.09.2022

## TEST REPORT ON CEMENT

**Client** : **Assistant Executive Engineer,** Laggere Sub Division,BBMP, Bangalore.

**Agency** : **M/s J C Prakash Infrastructure Private Limited (Javali Chandranna Prakash),** Contractor, Bangalore.

**Name of Work** : Comprehensive Development of Roads and Drains in Lavakusha Nagara, Muneshwara Nagara and Surrounding areas in Ward No.69 under Package-2022-23 RRN-DIV-(13), BBMP, Bangalore

**Sample :** : Cement (Zuari 53 grade OPC)

**Location** : Seenappa Ground South Side #Rams Micles Dance Academy

**Date of Manufacture:** : August-2022

**Sample Received on** : 24.09.2022

**Date of Testing** : 28.09.2022 to 30.09.2022

| Sl.No | Descriptions | Test Method as per IS | Test Result | Requirements as per IS: 269:2015 |
|---|---|---|---|---|
| 1 | a) Initial Setting Time | IS-4031 (Part - 5):1988(RA 2014) | 130 Minutes | Not Less than 30 Minutes |
| | b) Final Setting Time | IS-4031 (Part - 5):1988(RA 2014) | 370 Minutes | Not More than 600 Minutes |
| 2 | Soundness | IS-4031 (Part 3) :1988 (RA 2014) by the Le-Chatelier method | 1 mm | Not more than 10 mm |
| 3 | Standard Consistency | IS-4031 (Part -4) | 28.50% | - |

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**Note:**

1. The Material is satisfied as per the requirement.

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Email: sapiencebangalore@gmail.com

Job No.: SCE/BBMP/JCP/69/2022-2023

Date : 30.09.2022

## TEST REPORT ON FINE AGGREGATES (SAND)

**Client Agency** : **Assistant Executive Engineer,** Laggere Sub Division,BBMP, Bangalore.
: **M/s J C Prakash Infrastructure Private Limited (Javali Chandranna Prakash),** Contractor, Bangalore.

**Name of Work** : Comprehensive Development of Roads and Drains in Lavakusha Nagara, Muneshwara Nagara and Surrounding areas in Ward No.69 under Package-2022-23 RRN-DIV-(13), BBMP, Bangalore

**Location** : Seenappa Ground South Side #Rams Micles Dance Academy

**Sample Recied on** 24.09.2022

**Date of Testing** : 30.09.2022

**IS Code** :IS 383:2016
:IS 2386 (Part 1):1963(RA 2011)

**Material** : Sand

Total Wt. of Aggregates in gms **1000**

| Is Sieve Size in mm | Weight Retained (gm) | Retained Weight in % | Cumulative Retained Weight in % | Cumulative Weight Passing in % | Requirements as per IS 383:2016 Spec.Limits For Zone-II |
|---|---|---|---|---|---|
| 10 | 0 | 0 | 0 | 100 | 100 |
| 4.75 | 65 | 6.50 | 6.50 | 93.5 | 90-100 |
| 2.36 | 103 | 10.30 | 16.80 | 83.2 | 75-100 |
| 1.18 | 188 | 18.80 | 35.60 | 64.4 | 55-90 |
| 600 Micron | 215 | 21.50 | 57.10 | 42.9 | 35-59 |
| 300 Micron | 199 | 19.90 | 77.00 | 23.0 | 8-30 |
| 150 Micron | 163 | 16.30 | 93.30 | 6.7 | 0-10 |

**Note:**

1. The Material is satisfied as per the requirement.

For Sapience Consultants

Authorised Signatory

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Job No.: SCE/BBMP/JCP/69/2022-2023

Date : 30.09.2022

## TEST REPORT ON COARSE AGGREGATES

**Client** : **Assistant Executive Engineer,** Laggere Sub Division,BBMP, Bangalore.

**Agency** : **M/s J C Prakash Infrastructure Private Limited (Javali Chandranna Prakash),** Contractor, Bangalore.

**Name of Work** : Comprehensive Development of Roads and Drains in Lavakusha Nagara, Muneshwara Nagara and Surrounding areas in Ward No.69 under Package-2022-23 RRN-DIV-(13), BBMP, Bangalore

Location : Seenappa Ground South Side #Rams Micles Dance Academy

**Sample Recied on** 24.09.2022

Date of Testing : 30.09.2022

**IS Code** :IS 383:2016

:IS 2386 (Part 1):1963(RA 2011)

Material : 40mm Aggregates

Total Wt. of Aggregates in gms **15000**

| Is Sieve Size in mm | Weight Retained (gm) | Retained Weight in % | Cumulative Retained Weight in % | Cumulative Weight Passing in % | Requirements as per IS 383:2016 |
|---|---|---|---|---|---|
| 80 | 0 | 0 | 0 | 100 | 100 |
| 40 | 213 | 1.42 | 1.42 | 98.58 | 95-100 |
| 20 | 8165 | 54.43 | 55.85 | 44.15 | 30-70 |
| 10 | 3229 | 21.53 | 77.38 | 22.62 | 10-35 |
| 4.75 | 2877 | 19.18 | 96.56 | 3.44 | 0-5 |

**Note:**

1. The Material is satisfied as per the requirement.

For Sapience Consultants

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Job No.: SCE/BBMP/JCP/69/2022-2023

Date : 30.09.2022

## TEST REPORT ON COARSE AGGREGATES

| | |
|---|---|
| **Client** | **: Assistant Executive Engineer,** Laggere Sub Division,BBMP, Bangalore. |
| **Agency** | **: M/s J C Prakash Infrastructure Private Limited (Javali Chandranna Prakash),** Contractor, Bangalore. |
| **Name of Work** | : Comprehensive Development of Roads and Drains in Lavakusha Nagara, Muneshwara Nagara and Surrounding areas in Ward No.69 under Package-2022-23 RRN-DIV-(13), BBMP, Bangalore |
| Location | : Seenappa Ground South Side #Rams Micles Dance Academy |
| **Sample Recied on** | 24.09.2022 |
| Date of Testing | : 30.09.2022 |
| **IS Code** | :IS 383:2016 |
| | :IS 2386 (Part 1):1963(RA 2011) |
| Material | : 20mm Aggregates |

Total Wt. of Aggregates in gms= **5000**

| Is Sieve Size in mm | Weight Retained (gm) | Retained Weight in % | Cumulative Retained Weight in % | Cumulative Weight Passing in % | Requirements as per IS 383:2016 |
|---|---|---|---|---|---|
| 40 | 0 | 0 | 0 | 100 | 100 |
| 20 | 203 | 4.1 | 4.1 | 95.9 | 95-100 |
| 10 | 2671 | 53.4 | 57.5 | 42.5 | 25-55 |
| 4.75 | 1882 | 37.6 | 95.1 | 4.9 | 0-10 |

**Note:**

1. The Material is satisfied as per the requirement.

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Job No.: SCE/BBMP/JCP/69/2022-2023

Date : 30.09.2022

## TEST REPORT ON FINE AGGREGATES (SAND)
## IS 1542-1992

**Client** : **Assistant Executive Engineer,** Laggere Sub Division, BBMP, Bangalore.

**Agency** : **M/s J C Prakash Infrastructure Private Limited (Javali Chandranna Prakash),** Contractor, Bangalore.

**Name of Work** : Comprehensive Development of Roads and Drains in Lavakusha Nagara, Muneshwara Nagara and Surrounding areas in Ward No.69 under Package-2022-23 RRN-DIV-(13), BBMP, Bangalore

**Location** : Seenappa Ground South Side #Rams Micles Dance Academy

**Sample Received on** 24.09.2022

**Date of Testing** : 30.09.2022

Total wt. of aggregates in gms = **1000**

**Material** : Plastering Sand

| Is Sieve Size in mm | Weight Retained (gm) | Retained Weight in % | Cumulative Retained Weight in % | Cumulative Weight Passing in % | Spec.Limits as per IS 1542-1992 |
|---|---|---|---|---|---|
| 10 | 0 | 0 | 0 | 100 | 100 |
| 4.75 | 19 | 1.90 | 1.90 | 98.1 | 95-100 |
| 2.36 | 16 | 1.60 | 3.50 | 96.5 | 95-100 |
| 1.18 | 23 | 2.30 | 5.80 | 94.2 | 90-100 |
| 600 Micron | 71 | 7.10 | 12.90 | 87.1 | 80-100 |
| 300 Micron | 206 | 20.60 | 33.50 | 66.5 | 20-65 |
| 150 Micron | 524 | 52.40 | 85.90 | 14.1 | 0-15 |

**Note:**

1. The Material is satisfied as per the requirement.

For Sapience Consultants

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Job No.: SCE/BBMP/JCP/69/2022-2023

Date : 30.09.2022

## TEST REPORT ON FINE AGGREGATES (SAND)
### IS 2116-1980

**Client** : **Assistant Executive Engineer,** Laggere Sub Division, BBMP, Bangalore.

**Agency** : **M/s J C Prakash Infrastructure Private Limited (Javali Chandranna Prakash),** Contractor, Bangalore.

**Name of Work** : Comprehensive Development of Roads and Drains in Lavakusha Nagara, Muneshwara Nagara and Surrounding areas in Ward No.69 under Package-2022-23 RRN-DIV-(13), BBMP, Bangalore

**Location** : Seenappa Ground South Side #Rams Micles Dance Academy

**Sample Received on** 24.09.2022

Total wt. of aggregates in gms = **1000**

**Date of Testing** : 30.09.2022

**Material** : Masonry Sand

| Is Sieve Size in mm | Weight Retained (gm) | Retained Weight in % | Cumulative Retained Weight in % | Cumulative Weight Passing in % | Spec.Limits as per IS 2116-1980 |
|---|---|---|---|---|---|
| 4.75 | 0 | 0.00 | 0.00 | 100.0 | 100 |
| 2.36 | 20 | 2.00 | 2.00 | 98.0 | 90-100 |
| 1.18 | 23 | 2.30 | 4.30 | 95.7 | 70-100 |
| 600 Micron | 118 | 11.80 | 16.10 | 83.9 | 40-100 |
| 300 Micron | 245 | 24.50 | 40.60 | 59.4 | 5-70 |
| 150 Micron | 487 | 48.70 | 89.30 | 10.7 | 0-15 |

**Note:**

1. The Material is satisfied as per the requirement.

**For Sapience Consultants**

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No: SCE/BBMP/JCP/69/2022-2023

Date: 05.10.2022

## KERB STONE (CORE) TEST REPORT

| | | |
|---|---|---|
| Client | : | : **Assistant Executive Engineer,** Laggere Sub Division,BBMP, Bangalore. |
| Agency | : | : **M/s J C Prakash Infrastructure Private Limited (Javali Chandranna Prakash),** Contractor, Bangalore. |
| Name of Work | : | : Comprehensive Development of Roads and Drains in Lavakusha Nagara, Muneshwara Nagara and Surrounding areas in Ward No.69 under Package-2022-23 RRN-DIV-(13), BBMP, Bangalore |
| Location | : | : Seenappa Ground South Side #Rams Micles Dance Academy |
| Sample Received on | : | 24.09.2022 |
| No.of Sample Tested | : | 03 |
| Date of Testing | : | 05.10.2022 |
| Techinical Reference | : | IS:516-1959 (Reaffirmed 1999), SP-24:1983. |
| Grade of Concrete | : | $M_{20}$ |

| Sl. No. | Dia of Core D (mm) | Height of Core H (mm) | Core Wt (Kg) | Density of Core (kg / $m^3$) | H / D | Correction factor (Based on H/D) | Failure Load (kN) | Core Strength ( $N/mm^2$) | Correction Factor for the Dia. (Strength of the Core x 1.08) | Corrected Cylinder Compressive Strength ($N/mm^2$) | Equivalent Cube Compressive Strength ($N/mm^2$) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 50.00 | 79.00 | 0.361 | 2327.29 | 1.58 | 0.955 | 33.60 | 17.11 | 18.48 | 17.64 | 22.05 |
| 2 | 50.00 | 83.00 | 0.369 | 2264.22 | 1.66 | 0.963 | 34.80 | 17.72 | 19.14 | 18.44 | 23.05 |
| 3 | 50.00 | 84.00 | 0.394 | 2388.84 | 1.68 | 0.965 | 35.20 | 17.93 | 19.36 | 18.69 | 23.37 |

**Note:**

1. The Material is satisfied as per the requirement.

**For Sapience Consultants**

Authorised Signatory

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Job No.: SCE/BBMP/JCP/69/2022-2023

Date: 15.10.2022

## TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

| | |
|---|---|
| Client | : **Assistant Executive Engineer,** Laggere Sub Division,BBMP, Bangalore. |
| Agency | : **M/s J C Prakash Infrastructure Private Limited (Javali Chandranna Prakash),** Contractor, Bangalore. |
| Name of the work | : Comprehensive Development of Roads and Drains in Lavakusha Nagara, Muneshwara Nagara and Surrounding areas in Ward No.69 under Package-2022-23 RRN-DIV-(13), BBMP, Bangalore |
| Location | : Seenappa Ground South Side #Rams Micles Dance Academy |
| Sample Received on | : 15.10.2022 |
| Sample ID | : Cement Concrete |
| Size of cubes | : 150mmx150mmx150mm |
| Cross Sectional Area | : 22500 $mm^2$ |
| Technical Reference | : IS: 516-1959 (Reaffirmed 2008) |
| Grade of Concrete | : M10 |
| Compressive Strength as on | : 7th day |

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 08.10.2022 | 15.10.2022 | 8.091 | 188.2 | 8.36 |
| 2 | 08.10.2022 | 15.10.2022 | 8.142 | 173.4 | 7.70 |
| 3 | 08.10.2022 | 15.10.2022 | 8.179 | 201.3 | 8.95 |

Note:
1. The Material is satisfied as per the requirement.

For Sapience Consultants

Authorised Signatory

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Job No.: SCE/BBMP/JCP/69/2022-2023

Date: 15.10.2022

# TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

| | |
|---|---|
| **Client** | **: Assistant Executive Engineer,** Laggere Sub Division,BBMP, Bangalore. |
| **Agency** | **: M/s J C Prakash Infrastructure Private Limited (Javali Chandranna Prakash),** Contractor, Bangalore. |
| **Name of the work** | : Comprehensive Development of Roads and Drains in Lavakusha Nagara, Muneshwara Nagara and Surrounding areas in Ward No.69 under Package-2022-23 RRN-DIV-(13), BBMP, Bangalore |
| **Location** | : Seenappa Ground South Side #Rams Micles Dance Academy |
| **Sample Received on** | : 15.10.2022 |
| **Sample ID** | : Cement Concrete |
| **Size of cubes** | : 150mmx150mmx150mm |
| **Cross Sectional Area** | : 22500 $mm^2$ |
| **Technical Reference** | : IS: 516-1959 (Reaffirmed 2008) |
| **Grade of Concrete** | : M10 |
| **Compressive Strength as on** | : 7th day |

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 08.10.2022 | 15.10.2022 | 8.197 | 177.5 | 7.89 |
| 2 | 08.10.2022 | 15.10.2022 | 8.153 | 186.4 | 8.28 |
| 3 | 08.10.2022 | 15.10.2022 | 8.122 | 197.8 | 8.79 |

Note:
1. The Material is satisfied as per the requirement.

For Sapience Consultants

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Job No.: SCE/BBMP/JCP/69/2022-2023

Date: 15.10.2022

# TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

| | |
|---|---|
| **Client** | **: Assistant Executive Engineer,** Laggere Sub Division,BBMP, Bangalore. |
| **Agency** | **: M/s J C Prakash Infrastructure Private Limited (Javali Chandranna Prakash),** Contractor, Bangalore. |
| **Name of the work** | : Comprehensive Development of Roads and Drains in Lavakusha Nagara, Muneshwara Nagara and Surrounding areas in Ward No.69 under Package-2022-23 RRN-DIV-(13), BBMP, Bangalore |
| **Location** | : Seenappa Ground South Side #Rams Micles Dance Academy |
| **Sample Received on** | : 15.10.2022 |
| **Sample ID** | : Cement Concrete |
| **Size of cubes** | : 150mmx150mmx150mm |
| **Cross Sectional Area** | : 22500 $mm^2$ |
| **Technical Reference** | : IS: 516-1959 (Reaffirmed 2008) |
| **Grade of Concrete** | : M10 |
| **Compressive Strength as on** | : 7th day |

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 08.10.2022 | 15.10.2022 | 8.104 | 191.5 | 8.51 |
| 2 | 08.10.2022 | 15.10.2022 | 8.119 | 180.3 | 8.01 |
| 3 | 08.10.2022 | 15.10.2022 | 8.160 | 174.4 | 7.75 |

Note:
1. The Material is satisfied as per the requirement.

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Job No.: SCE/BBMP/JCP/69/2022-2023

Date: 15.10.2022

# TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

| | |
|---|---|
| Client Agency | : **Assistant Executive Engineer,** Laggere Sub Division,BBMP, Bangalore. |
| Name of the work | : **M/s J C Prakash Infrastructure Private Limited (Javali Chandranna Prakash),** Contractor, Bangalore. |
| Location | : Comprehensive Development of Roads and Drains in Lavakusha Nagara, Muneshwara Nagara and Surrounding areas in Ward No.69 under Package-2022-23 RRN-DIV-(13), BBMP, Bangalore |
| Sample Received on | : Seenappa Ground South Side #Rams Micles Dance Academy |
| Sample ID | : 15.10.2022 |
| Size of cubes | : Cement Concrete |
| Cross Sectional Area | : 150mmx150mmx150mm |
| Technical Reference | : 22500 $mm^2$ |
| Grade of Concrete | : IS: 516-1959 (Reaffirmed 2008) |
| Compressive Strength as on | : M10 |
| | : 7th day |

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 08.10.2022 | 15.10.2022 | 8.002 | 169.5 | 7.53 |
| 2 | 08.10.2022 | 15.10.2022 | 8.067 | 173.2 | 7.70 |
| 3 | 08.10.2022 | 15.10.2022 | 8.095 | 178.9 | 7.95 |

Note:
1. The Material is satisfied as per the requirement.

For Sapience Consultants

Authorised Signatory

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Email: sapiencebangalore@gmail.com

Job No.: SCE/BBMP/JCP/69/2022-2023

Date: 17.10.2022

# TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

| | |
|---|---|
| Client | : **Assistant Executive Engineer,** Laggere Sub Division,BBMP, Bangalore. |
| Agency | : **M/s J C Prakash Infrastructure Private Limited (Javali Chandranna Prakash),** Contractor, Bangalore. |
| Name of the work | : Comprehensive Development of Roads and Drains in Lavakusha Nagara, Muneshwara Nagara and Surrounding areas in Ward No.69 under Package-2022-23 RRN-DIV-(13), BBMP, Bangalore |
| Location | : Seenappa Ground Cross Road 1 |
| Sample Received on | : 17.10.2022 |
| Sample ID | : Cement Concrete |
| Size of cubes | : 150mmx150mmx150mm |
| Cross Sectional Area | : 22500 $mm^2$ |
| Technical Reference | : IS: 516-1959 (Reaffirmed 2008) |
| Grade of Concrete | : M10 |
| Compressive Strength as on | : 7th day |

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 10.10.2022 | 17.10.2022 | 8.146 | 182.3 | 8.10 |
| 2 | 10.10.2022 | 17.10.2022 | 8.132 | 174.6 | 7.76 |
| 3 | 10.10.2022 | 17.10.2022 | 8.107 | 189.5 | 8.42 |

Note:
1. The Material is satisfied as per the requirement.

For Sapience Consultants

Authorised Signatory

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Email: sapiencebangalore@gmail.com

Job No.: SCE/BBMP/JCP/69/2022-2023

# TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Date: 17.10.2022

| | |
|---|---|
| Client | : Assistant Executive Engineer, Laggere Sub Division,BBMP, Bangalore. |
| Agency | : M/s J C Prakash Infrastructure Private Limited (Javali Chandranna Prakash), Contractor, Bangalore. |
| Name of the work | : Comprehensive Development of Roads and Drains in Lavakusha Nagara, Muneshwara Nagara and Surrounding areas in Ward No.69 under Package-2022-23 RRN-DIV-(13), BBMP, Bangalore |
| Location | : Seenappa Ground Cross Road 1 |
| Sample Received on | : 17.10.2022 |
| Sample ID | : Cement Concrete |
| Size of cubes | : 150mmx150mmx150mm |
| Cross Sectional Area | : 22500 $mm^2$ |
| Technical Reference | : IS: 516-1959 (Reaffirmed 2008) |
| Grade of Concrete | : M10 |
| Compressive Strength as on | : 7th day |

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 10.10.2022 | 17.10.2022 | 8.120 | 174.5 | 7.76 |
| 2 | 10.10.2022 | 17.10.2022 | 8.105 | 183.9 | 8.17 |
| 3 | 10.10.2022 | 17.10.2022 | 8.076 | 198.4 | 8.82 |

Note:
1. The Material is satisfied as per the requirement.

For Sapience Consultants

Authorised Signatory

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Email: sapiencebangalore@gmail.com

Job No.: SCE/BBMP/JCP/69/2022-2023

# TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Date: 17.10.2022

| | |
|---|---|
| Client Agency | : Assistant Executive Engineer, Laggere Sub Division,BBMP, Bangalore. |
| Name of the work | : M/s J C Prakash Infrastructure Private Limited (Javali Chandranna Prakash), Contractor, Bangalore. |
| Location | : Comprehensive Development of Roads and Drains in Lavakusha Nagara, Muneshwara Nagara and Surrounding areas in Ward No.69 under Package-2022-23 RRN-DIV-(13), BBMP, Bangalore |
| Sample Received on | : Seenappa Ground Cross Road 1 |
| Sample ID | : 17.10.2022 |
| Size of cubes | : Cement Concrete |
| Cross Sectional Area | : 150mmx150mmx150mm |
| Technical Reference | : 22500 $mm^2$ |
| Grade of Concrete | : IS: 516-1959 (Reaffirmed 2008) |
| Compressive Strength as on | : M10 |
| | : 7th day |

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 10.10.2022 | 17.10.2022 | 8.109 | 180.3 | 8.01 |
| 2 | 10.10.2022 | 17.10.2022 | 8.091 | 196.6 | 8.74 |
| 3 | 10.10.2022 | 17.10.2022 | 8.052 | 177.2 | 7.88 |

Note:
1. The Material is satisfied as per the requirement.

For Sapience Consultants

Authorised Signatory

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Email: sapiencebangalore@gmail.com

Job No.: SCE/BBMP/JCP/69/2022-2023

# TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Date: 17.10.2022

**Client Agency** : **Assistant Executive Engineer,** Laggere Sub Division,BBMP, Bangalore.
: **M/s J C Prakash Infrastructure Private Limited (Javali Chandranna Prakash),** Contractor, Bangalore.

**Name of the work** : Comprehensive Development of Roads and Drains in Lavakusha Nagara, Muneshwara Nagata and Surrounding areas in Ward No.69 under Package-2022-23 RRN-DIV-(13), BBMP, Bangalore

**Location** : Seenappa Ground Cross Road 1

**Sample Received on** : 18.10.2022

**Sample ID** : Cement Concrete

**Size of cubes** : 150mmx150mmx150mm

**Cross Sectional Area** : 22500 $mm^2$

**Technical Reference** : IS: 516-1959 (Reaffirmed 2008)

**Grade of Concrete** : M10

**Compressive Strength as on** : 7th day

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 10.10.2022 | 17.10.2022 | 8.182 | 201.5 | 8.96 |
| 2 | 10.10.2022 | 17.10.2022 | 8.173 | 184.4 | 8.20 |
| 3 | 10.10.2022 | 17.10.2022 | 8.149 | 168.9 | 7.51 |

Note:
1. The Material is satisfied as per the requirement.

For Sapience Consultants

Authorised Signatory

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Email: sapiencebangalore@gmail.com

Job No.: SCE/BBMP/JCP/69/2022-2023

Date: 18.10.2022

## TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

| | |
|---|---|
| Client Agency | : **Assistant Executive Engineer,** Laggere Sub Division,BBMP, Bangalore. |
| Name of the work | : **M/s J C Prakash Infrastructure Private Limited (Javali Chandranna Prakash),** Contractor, Bangalore. |
| Location | : Comprehensive Development of Roads and Drains in Lavakusha Nagara, Muneshwara Nagara and Surrounding areas in Ward No.69 under Package-2022-23 RRN-DIV-(13), BBMP, Bangalore |
| Sample Received on | : Muneshwara Layout 2nd 'B' cross #722 Mathru Kuteera Laggere Ward 69 |
| Sample ID | : 18.10.2022 |
| Size of cubes | : Cement Concrete |
| Cross Sectional Area | : 150mmx150mmx150mm |
| Technical Reference | : 22500 $mm^2$ |
| Grade of Concrete | : IS: 516-1959 (Reaffirmed 2008) |
| Compressive Strength as on | : M10 |
| | : 7th day |

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 11.10.2022 | 18.10.2022 | 8.047 | 182.3 | 8.10 |
| 2 | 11.10.2022 | 18.10.2022 | 8.165 | 197.4 | 8.77 |
| 3 | 11.10.2022 | 18.10.2022 | 8.103 | 205.6 | 9.14 |

Note:

1. The Material is satisfied as per the requirement.

For Sapience Consultants

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Email: sapiencebangalore@gmail.com

Lab No.: SCE/BBMP/JCP/69/2022-2023

# TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Date: 18.10.2022

| | |
|---|---|
| *Client* | : **Assistant Executive Engineer,** Laggere Sub Division,BBMP, Bangalore. |
| *Agency* | : **M/s J C Prakash Infrastructure Private Limited (Javali Chandranna Prakash),** Contractor, Bangalore. |
| *Name of the work* | : Comprehensive Development of Roads and Drains in Lavakusha Nagara, Muneshwara Nagara and Surrounding areas in Ward No.69 under Package-2022-23 RRN-DIV-(13), BBMP, Bangalore |
| *Location* | : Muneshwara Layout 2nd 'B' cross #722 Mathru Kuteera Laggere Ward 69 |
| **Sample Received on** | : 18.10.2022 |
| **Sample ID** | : Cement Concrete |
| **Size of cubes** | : 150mmx150mmx150mm |
| **Cross Sectional Area** | : 22500 $mm^2$ |
| **Technical Reference** | : IS: 516-1959 (Reaffirmed 2008) |
| **Grade of Concrete** | : M10 |
| **Compressive Strength as on** | : 7th day |

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 11.10.2022 | 18.10.2022 | 8.036 | 178.8 | 7.95 |
| 2 | 11.10.2022 | 18.10.2022 | 8.059 | 183.5 | 8.16 |
| 3 | 11.10.2022 | 18.10.2022 | 8.078 | 198.6 | 8.83 |

Note:

1. The Material is satisfied as per the requirement.

For Sapience Consultants

Authorised Signatory

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(Soil & Road Materials Testing Laboratory)

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Ref No.: SCE/BBMP/JCP/69/2022-2023

# TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Date: 18.10.2022

| | |
|---|---|
| Client | : Assistant Executive Engineer, Laggere Sub Division,BBMP, Bangalore. |
| Agency | : M/s J C Prakash Infrastructure Private Limited (Javali Chandranna Prakash), Contractor, Bangalore. |
| Name of the work | : Comprehensive Development of Roads and Drains in Lavakusha Nagara, Muneshwara Nagara and Surrounding areas in Ward No.69 under Package-2022-23 RRN-DIV-(13), BBMP, Bangalore |
| Location | : Muneshwara Layout 2nd 'B' cross #722 Mathru Kuteera Laggere Ward 69 |
| Sample Received on | : 18.10.2022 |
| Sample ID | : Cement Concrete |
| Size of cubes | : 150mmx150mmx150mm |
| Cross Sectional Area | : 22500 $mm^2$ |
| Technical Reference | : IS: 516-1959 (Reaffirmed 2008) |
| Grade of Concrete | : M10 |
| Compressive Strength as on | : 7th day |

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 11.10.2022 | 18.10.2022 | 8.156 | 200.7 | 8.92 |
| 2 | 11.10.2022 | 18.10.2022 | 8.137 | 213.5 | 9.49 |
| 3 | 11.10.2022 | 18.10.2022 | 8.085 | 190.6 | 8.47 |

Note:
1. The Material is satisfied as per the requirement.

For Sapience Consultants

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Ref No.: SCE/BBMP/JCP/69/2022-2023

Date: 18.10.2022

# TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

| | |
|---|---|
| Client Agency | : **Assistant Executive Engineer,** Laggere Sub Division,BBMP, Bangalore. |
| Name of the work | : **M/s J C Prakash Infrastructure Private Limited (Javali Chandranna Prakash),** Contractor, Bangalore. |
| Location | : Comprehensive Development of Roads and Drains in Lavakusha Nagara, Muneshwara Nagara and Surrounding areas in Ward No.69 under Package-2022-23 RRN-DIV-(13), BBMP, Bangalore |
| Sample Received on | : Muneshwara Layout 2nd 'B' cross #722 Mathru Kuteera Laggere Ward 69 |
| Sample ID | : 18.10.2022 |
| Size of cubes | : Cement Concrete |
| Cross Sectional Area | : 150mmx150mmx150mm |
| Technical Reference | : 22500 $mm^2$ |
| Grade of Concrete | : IS: 516-1959 (Reaffirmed 2008) |
| Compressive Strength as on | : M10 |
| | : 7th day |

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 11.10.2022 | 18.10.2022 | 8.157 | 201.1 | 8.94 |
| 2 | 11.10.2022 | 18.10.2022 | 8.179 | 192.5 | 8.56 |
| 3 | 11.10.2022 | 18.10.2022 | 8.192 | 181.6 | 8.07 |

Note:

1. The Material is satisfied as per the requirement.

For Sapience Consultants

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Ref No.: SCE/BBMP/JCP/69/2022-2023

Date: 19.10.2022

# TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

| | |
|---|---|
| Client | : **Assistant Executive Engineer,** Laggere Sub Division,BBMP, Bangalore. |
| Agency | : **M/s J C Prakash Infrastructure Private Limited (Javali Chandranna Prakash),** Contractor, Bangalore. |
| Name of the work | : Comprehensive Development of Roads and Drains in Lavakusha Nagara, Muneshwara Nagara and Surrounding areas in Ward No.69 under Package-2022-23 RRN-DIV-(13), BBMP, Bangalore |
| Location | : Rajiv Gandhi Nagara 2nd cross near #9 Sri Kalabairaveshwara Nilaya Laggere |
| Sample Received on | : 18.10.2022 |
| Sample ID | : Cement Concrete |
| Size of cubes | : 150mmx150mmx150mm |
| Cross Sectional Area | : 22500 $mm^2$ |
| Technical Reference | : IS: 516-1959 (Reaffirmed 2008) |
| Grade of Concrete | : M10 |
| Compressive Strength as on | : 7th day |

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 12.10.2022 | 19.10.2022 | 8.015 | 177.5 | 7.89 |
| 2 | 12.10.2022 | 19.10.2022 | 8.069 | 183.9 | 8.17 |
| 3 | 12.10.2022 | 19.10.2022 | 8.027 | 199.4 | 8.86 |

Note:
1. The Material is satisfied as per the requirement.

For Sapience Consultants

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...No: SCE/BBMP/JCP/69/2022-2023

Date: 19.10.2022

# TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

| | |
|---|---|
| Client | : Assistant Executive Engineer, Laggere Sub Division,BBMP, Bangalore. |
| Agency | : M/s J C Prakash Infrastructure Private Limited (Javali Chandranna Prakash), Contractor, Bangalore. |
| Name of the work | : Comprehensive Development of Roads and Drains in Lavakusha Nagara, Muneshwara Nagara and Surrounding areas in Ward No.69 under Package-2022-23 RRN-DIV-(13), BBMP, Bangalore |
| Location | : Rajiv Gandhi Nagara 2nd cross near #9 Sri Kalabairaveshwara Nilaya Laggere |
| Sample Received on | : 18.10.2022 |
| Sample ID | : Cement Concrete |
| Size of cubes | : 150mmx150mmx150mm |
| Cross Sectional Area | : 22500 $mm^2$ |
| Technical Reference | : IS: 516-1959 (Reaffirmed 2008) |
| Grade of Concrete | : M10 |
| Compressive Strength as on | : 7th day |

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 12.10.2022 | 19.10.2022 | 8.195 | 208.5 | 9.27 |
| 2 | 12.10.2022 | 19.10.2022 | 8.183 | 202.2 | 8.99 |
| 3 | 12.10.2022 | 19.10.2022 | 8.142 | 191.7 | 8.52 |

Note:
1. The Material is satisfied as per the requirement.

For Sapience Consultants

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No: SCE/BBMP/JCP/69/2022-2023

Date: 19.10.2022

# TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

| | |
|---|---|
| Client Agency | : **Assistant Executive Engineer,** Laggere Sub Division,BBMP, Bangalore. **: M/s J C Prakash Infrastructure Private Limited (Javali Chandranna Prakash),** Contractor, Bangalore. |
| Name of the work | : Comprehensive Development of Roads and Drains in Lavakusha Nagara, Muneshwara Nagara and Surrounding areas in Ward No.69 under Package-2022-23 RRN-DIV-(13), BBMP, Bangalore |
| Location | : Rajiv Gandhi Nagara 2nd cross near #9 Sri Kalabairaveshwara Nilaya Laggere |
| Sample Received on | : 19.10.2022 |
| Sample ID | : Cement Concrete |
| Size of cubes | : 150mmx150mmx150mm |
| Cross Sectional Area | : 22500 $mm^2$ |
| Technical Reference | : IS: 516-1959 (Reaffirmed 2008) |
| Grade of Concrete | : M10 |
| Compressive Strength as on | : 7th day |

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 12.10.2022 | 19.10.2022 | 8.105 | 197.8 | 8.79 |
| 2 | 12.10.2022 | 19.10.2022 | 8.087 | 186.5 | 8.29 |
| 3 | 12.10.2022 | 19.10.2022 | 8.051 | 200.2 | 8.90 |

Note:
1. The Material is satisfied as per the requirement.

For Sapience Consultants

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Email: sapiencebangalore@gmail.com

S.No: SCE/BBMP/JCP/69/2022-2023

Date: 19.10.2022

# TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

| | |
|---|---|
| Client | : Assistant Executive Engineer, Laggere Sub Division,BBMP, Bangalore. |
| Agency | : M/s J C Prakash Infrastructure Private Limited (Javali Chandranna Prakash), Contractor, Bangalore. |
| Name of the work | : Comprehensive Development of Roads and Drains in Lavakusha Nagara, Muneshwara Nagara and Surrounding areas in Ward No.69 under Package-2022-23 RRN-DIV-(13), BBMP, Bangalore |
| Location | : Rajiv Gandhi Nagara 2nd cross near #9 Sri Kalabairaveshwara Nilaya Laggere |
| Sample Received on | : 19.10.2022 |
| Sample ID | : Cement Concrete |
| Size of cubes | : 150mmx150mmx150mm |
| Cross Sectional Area | : 22500 $mm^2$ |
| Technical Reference | : IS: 516-1959 (Reaffirmed 2008) |
| Grade of Concrete | : M10 |
| Compressive Strength as on | : 7th day |

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 12.10.2022 | 19.10.2022 | 8.118 | 193.3 | 8.59 |
| 2 | 12.10.2022 | 19.10.2022 | 8.171 | 184.4 | 8.20 |
| 3 | 12.10.2022 | 19.10.2022 | 8.149 | 176.6 | 7.85 |

Note:
1. The Material is satisfied as per the requirement.

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...No.: SCE/BBMP/JCP/69/2022-2023

Date: 20.10.2022

# TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

| | |
|---|---|
| *Client* | : **Assistant Executive Engineer,** Laggere Sub Division,BBMP, Bangalore. |
| *Agency* | : **M/s J C Prakash Infrastructure Private Limited (Javali Chandranna Prakash),** Contractor, Bangalore. |
| **Name of the work** | : Comprehensive Development of Roads and Drains in Lavakusha Nagara, Muneshwara Nagara and Surrounding areas in Ward No.69 under Package-2022-23 RRN-DIV-(13), BBMP, Bangalore |
| **Location** | : Rajiv Gandhi Nagara 1st cross near Sakshi housing finance Laggere |
| **Sample Received on** | : 19.10.2022 |
| **Sample ID** | : Cement Concrete |
| **Size of cubes** | : 150mmx150mmx150mm |
| **Cross Sectional Area** | : 22500 $mm^2$ |
| **Technical Reference** | : IS: 516-1959 (Reaffirmed 2008) |
| **Grade of Concrete** | : M10 |
| **Compressive Strength as on** | : 7th day |

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 13.10.2022 | 20.10.2022 | 8.008 | 173.5 | 7.71 |
| 2 | 13.10.2022 | 20.10.2022 | 8.025 | 188.5 | 8.38 |
| 3 | 13.10.2022 | 20.10.2022 | 8.049 | 196.6 | 8.74 |

Note:
1. The Material is satisfied as per the requirement.

**For Sapience Consultants**

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No.: SCE/BBMP/JCP/69/2022-2023

Date: 20.10.2022

# TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

| | |
|---|---|
| Client | : **Assistant Executive Engineer,** Laggere Sub Division,BBMP, Bangalore. |
| Agency | : **M/s J C Prakash Infrastructure Private Limited (Javali Chandranna Prakash),** Contractor, Bangalore. |
| Name of the work | : Comprehensive Development of Roads and Drains in Lavakusha Nagara, Muneshwara Nagara and Surrounding areas in Ward No.69 under Package-2022-23 RRN-DIV-(13), BBMP, Bangalore |
| Location | : Rajiv Gandhi Nagara 1st cross near Sakshi housing finance Laggere |
| Sample Received on | : 19.10.2022 |
| Sample ID | : Cement Concrete |
| Size of cubes | : 150mmx150mmx150mm |
| Cross Sectional Area | : 22500 $mm^2$ |
| Technical Reference | : IS: 516-1959 (Reaffirmed 2008) |
| Grade of Concrete | : M10 |
| Compressive Strength as on | : 7th day |

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 13.10.2022 | 20.10.2022 | 8.088 | 200.6 | 8.92 |
| 2 | 13.10.2022 | 20.10.2022 | 8.114 | 191.3 | 8.50 |
| 3 | 13.10.2022 | 20.10.2022 | 8.146 | 183.1 | 8.14 |

Note:
1. The Material is satisfied as per the requirement.

For Sapience Consultants

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No: SCE/BBMP/JCP/69/2022-2023

Date: 20.10.2022

# TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

| | |
|---|---|
| Client | : **Assistant Executive Engineer,** Laggere Sub Division,BBMP, Bangalore. |
| Agency | : **M/s J C Prakash Infrastructure Private Limited (Javali Chandranna Prakash),** Contractor, Bangalore. |
| Name of the work | : Comprehensive Development of Roads and Drains in Lavakusha Nagara, Muneshwara Nagara and Surrounding areas in Ward No.69 under Package-2022-23 RRN-DIV-(13), BBMP, Bangalore |
| Location | : Rajiv Gandhi Nagara 1st cross near Sakshi housing finance Laggere |
| Sample Received on | : 19.10.2022 |
| Sample ID | : Cement Concrete |
| Size of cubes | : 150mmx150mmx150mm |
| Cross Sectional Area | : 22500 $mm^2$ |
| Technical Reference | : IS: 516-1959 (Reaffirmed 2008) |
| Grade of Concrete | : M10 |
| Compressive Strength as on | : 7th day |

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 13.10.2022 | 20.10.2022 | 8.033 | 205.8 | 9.15 |
| 2 | 13.10.2022 | 20.10.2022 | 8.019 | 190.8 | 8.48 |
| 3 | 13.10.2022 | 20.10.2022 | 8.078 | 178.8 | 7.95 |

Note:
1. The Material is satisfied as per the requirement.

For Sapience Consultants

Authorised Signatory

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SCE/BBMP/JCP/69/2022-2023

Date: 20.10.2022

# TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

| | |
|---|---|
| Client | : **Assistant Executive Engineer,** Laggere Sub Division,BBMP, Bangalore. |
| Agency | : **M/s J C Prakash Infrastructure Private Limited (Javali Chandranna Prakash),** Contractor, Bangalore. |
| Name of the work | : Comprehensive Development of Roads and Drains in Lavakusha Nagara, Muneshwara Nagara and Surrounding areas in Ward No.69 under Package-2022-23 RRN-DIV-(13), BBMP, Bangalore |
| Location | : Rajiv Gandhi Nagara 1st cross near Sakshi housing finance Laggere |
| Sample Received on | : 19.10.2022 |
| Sample ID | : Cement Concrete |
| Size of cubes | : 150mmx150mmx150mm |
| Cross Sectional Area | : 22500 $mm^2$ |
| Technical Reference | : IS: 516-1959 (Reaffirmed 2008) |
| Grade of Concrete | : M10 |
| Compressive Strength as on | : 7th day |

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 13.10.2022 | 20.10.2022 | 8.191 | 199.6 | 8.87 |
| 2 | 13.10.2022 | 20.10.2022 | 8.173 | 187.3 | 8.32 |
| 3 | 13.10.2022 | 20.10.2022 | 8.152 | 179.5 | 7.98 |

Note:
1. The Material is satisfied as per the requirement.

For Sapience Consultants

Authorised Signatory

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Email: sapiencebangalore@gmail.com

SCE/BBMP/JCP/69/2022-2023

Date: 05.10.2022

## PRECAST SLAB 200mm Thick(CORE) TEST REPORT

| | | |
|---|---|---|
| ...ject | : | : **Assistant Executive Engineer,** Laggere Sub Division,BBMP, Bangalore. |
| Contractor | : | : **M/s J C Prakash Infrastructure Private Limited (Javali Chandranna Prakash),** Contractor, Bangalore. |
| Name of Work | : | : Comprehensive Development of Roads and Drains in Lavakusha Nagara, Muneshwara Nagara and Surrounding areas in Ward No.69 under Package-2022-23 RRN-DIV-(13), BBMP, Bangalore |
| Location | : | Seenappa Ground South Side #Rams Micles Dance Academy |
| Sample received on | : | 24.09.2022 |
| No.of Sample Tested | : | 03 |
| Date of Testing | : | 05.10.2022 |
| Techinical Reference | : | IS:516-1959 (Reaffirmed 1999), SP-24:1983. |
| Grade of Concrete | : | $M_{25}$ |

| Sl. No. | Dia of Core D (mm) | Height of Core H (mm) | Core Wt (Kg) | Density of Core (kg / $m^3$) | H / D | Correction factor (Based on H/D) | Failure Load (kN) | Core Strength ( $N/mm^2$) | Correction Factor for the Dia. (Strength of the Core x 1.08) | Corrected Cylinder Compressive Strength ($N/mm^2$) | Equivalent Cube Compressive Strength ($N/mm^2$) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 90.00 | 111.00 | 1.630 | 2308.29 | 1.23 | 0.960 | 128.50 | 20.20 | 21.81 | 20.94 | 26.18 |
| 2 | 90.00 | 115.00 | 1.725 | 2357.85 | 1.28 | 0.960 | 130.40 | 20.50 | 22.14 | 21.25 | 26.56 |
| 3 | 90.00 | 119.00 | 1.798 | 2375.02 | 1.32 | 0.965 | 131.90 | 20.73 | 22.39 | 21.61 | 27.01 |

**Note:**

1. 1. The Material is satisfied as per the requirement.

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SCE/BBMP/JCP/69/2022-2023

Date: 05.10.2022

## PRECAST SLAB 200mm Thick(CORE) TEST REPORT

| | | |
|---|---|---|
| Client | : | : Assistant Executive Engineer, Laggere Sub Division,BBMP, Bangalore. |
| Contractor | : | : M/s J C Prakash Infrastructure Private Limited (Javali Chandranna Prakash), Contractor, Bangalore. |
| Name of Work | : | : Comprehensive Development of Roads and Drains in Lavakusha Nagara, Muneshwara Nagara and Surrounding areas in Ward No.69 under Package-2022-23 RRN-DIV-(13), BBMP, Bangalore |
| Location | : | Seenappa Ground South Side #Rams Micles Dance Academy |
| Sample received on | : | 24.09.2022 |
| No.of Sample Tested | : | 03 |
| Date of Testing | : | 05.10.2022 |
| Techinical Reference | : | IS:516-1959 (Reaffirmed 1999), SP-24:1983. |
| Grade of Concrete | : | $M_{25}$ |

| Sl. No. | Dia of Core D (mm) | Height of Core H (mm) | Core Wt (Kg) | Density of Core (kg / $m^3$) | H / D | Correction factor (Based on H/D) | Failure Load (kN) | Core Strength ( $N/mm^2$) | Correction Factor for the Dia. (Strength of the Core x 1.08) | Corrected Cylinder Compressive Strength ($N/mm^2$) | Equivalent Cube Compressive Strength ($N/mm^2$) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 90.00 | 114.00 | 1.679 | 2315.11 | 1.27 | 0.960 | 129.40 | 20.34 | 21.97 | 21.09 | 26.36 |
| 2 | 90.00 | 117.00 | 1.758 | 2361.88 | 1.30 | 0.960 | 131.20 | 20.62 | 22.27 | 21.38 | 26.73 |
| 3 | 90.00 | 119.00 | 1.813 | 2394.84 | 1.32 | 0.965 | 133.70 | 21.02 | 22.70 | 21.90 | 27.38 |

**Note:**

1. 1. The Material is satisfied as per the requirement.

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Job No.: SCE/BBMP/JCP/69/2022-2023 Date:01.10.2022

## TEST REPORT ON CEMENT

**Client** : **Assistant Executive Engineer,** Laggere Sub Division,BBMP, Bangalore.

**Agency** : **M/s J C Prakash Infrastructure Private Limited (Javali Chandranna Prakash),** Contractor, Bangalore.

**Name of Work** : Comprehensive Development of Roads and Drains in Lavakusha Nagara, Muneshwara Nagara and Surrounding areas in Ward No.69 under Package-2022-23 RRN-DIV-(13), BBMP, Bangalore

**Sample :** : Cement (Zuari 53 grade OPC)

**Location** : Rajiv Gandhi Nagara 1st cross near Sakshi housing finance Laggere

**Date of Manufacture:** : August-2022

**Sample Received on** : 24.09.2022

**Date of Testing** : 29.09.2022 to 01.10.2022

| Sl.No | Descriptions | Test Method as per IS | Test Result | Requirements as per IS: 269:2015 |
|---|---|---|---|---|
| 1 | a) Initial Setting Time | IS-4031 (Part - 5):1988(RA 2014) | 145 Minutes | Not Less than 30 Minutes |
| | b) Final Setting Time | IS-4031 (Part - 5):1988(RA 2014) | 380 Minutes | Not More than 600 Minutes |
| 2 | Soundness | IS-4031 (Part 3) :1988 (RA 2014) by the Le-Chatelier method | 1 mm | Not more than 10 mm |
| 3 | Standard Consistency | IS-4031 (Part -4) | 30.00% | - |

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*Note:*

1. The Material is satisfied as per the requirement.

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Job No.: SCE/BBMP/JCP/69/2022-2023 Date : 01.10.2022

## TEST REPORT ON FINE AGGREGATES (SAND)

**Client** : **Assistant Executive Engineer,** Laggere Sub Division,BBMP, Bangalore.
**Agency** : **M/s J C Prakash Infrastructure Private Limited (Javali Chandranna Prakash),** Contractor, Bangalore.
**Name of Work** : Comprehensive Development of Roads and Drains in Lavakusha Nagara, Muneshwara Nagara and Surrounding areas in Ward No.69 under Package-2022-23 RRN-DIV-(13), BBMP, Bangalore
**Location** : Rajiv Gandhi Nagara 1st cross near Sakshi housing finance Laggere
**Sample Recied on** 24.09.2022
**Date of Testing** : 01.10.2022
**IS Code** :IS 383:2016
:IS 2386 (Part 1):1963(RA 2011)
**Material** : Sand Total Wt. of Aggregates in gms **1000**

| Is Sieve Size in mm | Weight Retained (gm) | Retained Weight in % | Cumulative Retained Weight in % | Cumulative Weight Passing in % | Requirements as per IS 383:2016 Spec.Limits For Zone-II |
|---|---|---|---|---|---|
| 10 | 0 | 0 | 0 | 100 | 100 |
| 4.75 | 96 | 9.60 | 9.60 | 90.4 | 90-100 |
| 2.36 | 103 | 10.30 | 19.90 | 80.1 | 75-100 |
| 1.18 | 184 | 18.40 | 38.30 | 61.7 | 55-90 |
| 600 Micron | 221 | 22.10 | 60.40 | 39.6 | 35-59 |
| 300 Micron | 193 | 19.30 | 79.70 | 20.3 | 8-30 |
| 150 Micron | 165 | 16.50 | 96.20 | 3.8 | 0-10 |

**Note:**
1. The Material is satisfied as per the requirement.

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Email: sapiencebangalore@gmail.com

Job No.: SCE/BBMP/JCP/69/2022-2023 Date : 01.10.2022

## TEST REPORT ON COARSE AGGREGATES

**Client** : **Assistant Executive Engineer,** Laggere Sub Division,BBMP, Bangalore.

**Agency** : **M/s J C Prakash Infrastructure Private Limited (Javali Chandranna Prakash),** Contractor, Bangalore.

**Name of Work** : Comprehensive Development of Roads and Drains in Lavakusha Nagara, Muneshwara Nagara and Surrounding areas in Ward No.69 under Package-2022-23 RRN-DIV-(13), BBMP, Bangalore

Location : Rajiv Gandhi Nagara 1st cross near Sakshi housing finance Laggere

**Sample Recied on** 24.09.2022

Date of Testing : 01.10.2022

**IS Code** :IS 383:2016

:IS 2386 (Part 1):1963(RA 2011)

Material : 40mm Aggregates

Total Wt. of Aggregates in gms **15000**

| Is Sieve Size in mm | Weight Retained (gm) | Retained Weight in % | Cumulative Retained Weight in % | Cumulative Weight Passing in % | Requirements as per IS 383:2016 |
|---|---|---|---|---|---|
| 80 | 0 | 0 | 0 | 100 | 100 |
| 40 | 214 | 1.43 | 1.43 | 98.57 | 95-100 |
| 20 | 8326 | 55.51 | 56.93 | 43.07 | 30-70 |
| 10 | 3199 | 21.33 | 78.26 | 21.74 | 10-35 |
| 4.75 | 2575 | 17.17 | 95.43 | 4.57 | 0-5 |

**Note:**

1. The Material is satisfied as per the requirement.

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Job No.: SCE/BBMP/JCP/69/2022-2023

Date : 01.10.2022

## TEST REPORT ON COARSE AGGREGATES

**Client** : **Assistant Executive Engineer,** Laggere Sub Division,BBMP, Bangalore.

**Agency** : **M/s J C Prakash Infrastructure Private Limited (Javali Chandranna Prakash),** Contractor, Bangalore.

**Name of Work** : Comprehensive Development of Roads and Drains in Lavakusha Nagara, Muneshwara Nagara and Surrounding areas in Ward No.69 under Package-2022-23 RRN-DIV-(13), BBMP, Bangalore

Location : Rajiv Gandhi Nagara 1st cross near Sakshi housing finance Laggere

**Sample Recied on** 24.09.2022

Date of Testing : 01.10.2022

**IS Code** :IS 383:2016

:IS 2386 (Part 1):1963(RA 2011)

Material : 20mm Aggregates

Total Wt. of Aggregates in gms= **5000**

| Is Sieve Size in mm | Weight Retained (gm) | Retained Weight in % | Cumulative Retained Weight in % | Cumulative Weight Passing in % | Requirements as per IS 383:2016 |
|---|---|---|---|---|---|
| 40 | 0 | 0 | 0 | 100 | 100 |
| 20 | 218 | 4.4 | 4.4 | 95.6 | 95-100 |
| 10 | 2391 | 47.8 | 52.2 | 47.8 | 25-55 |
| 4.75 | 2045 | 40.9 | 93.1 | 6.9 | 0-10 |

***Note:***

1. *The Material is satisfied as per the requirement.*

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Job No.: SCE/BBMP/JCP/69/2022-2023

Date : 01.10.2022

## TEST REPORT ON FINE AGGREGATES (SAND)
### IS 1542-1992

**Client Agency** : **Assistant Executive Engineer,** Laggere Sub Division, BBMP, Bangalore.
: **M/s J C Prakash Infrastructure Private Limited (Javali Chandranna Prakash),** Contractor, Bangalore.

**Name of Work** : Comprehensive Development of Roads and Drains in Lavakusha Nagara, Muneshwara Nagara and Surrounding areas in Ward No.69 under Package-2022-23 RRN-DIV-(13), BBMP, Bangalore

**Location** : Rajiv Gandhi Nagara 1st cross near Sakshi housing finance Laggere

**Sample Received on** 24.09.2022

**Date of Testing** : 01.10.2022

**Material** : Plastering Sand

Total wt. of aggregates in gms = **1000**

Total wt. of aggregates in gms = **1000**

| Is Sieve Size in mm | Weight Retained (gm) | Retained Weight in % | Cumulative Retained Weight in % | Cumulative Weight Passing in % | Spec.Limits as per IS 1542-1992 |
|---|---|---|---|---|---|
| 10 | 0 | 0 | 0 | 100 | 100 |
| 4.75 | 20 | 2.00 | 2.00 | 98.0 | 95-100 |
| 2.36 | 19 | 1.90 | 3.90 | 96.1 | 95-100 |
| 1.18 | 28 | 2.80 | 6.70 | 93.3 | 90-100 |
| 600 Micron | 64 | 6.40 | 13.10 | 86.9 | 80-100 |
| 300 Micron | 239 | 23.90 | 37.00 | 63.0 | 20-65 |
| 150 Micron | 512 | 51.20 | 88.20 | 11.8 | 0-15 |

**Note:**

1. The Material is satisfied as per the requirement.

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Job No.: SCE/BBMP/JCP/69/2022-2023 Date : 01.10.2022

## TEST REPORT ON FINE AGGREGATES (SAND)
### IS 2116-1980

**Client** : **Assistant Executive Engineer,** Laggere Sub Division, BBMP, Bangalore.

**Agency** : **M/s J C Prakash Infrastructure Private Limited (Javali Chandranna Prakash),** Contractor, Bangalore.

**Name of Work** : Comprehensive Development of Roads and Drains in Lavakusha Nagara, Muneshwara Nagara and Surrounding areas in Ward No.69 under Package-2022-23 RRN-DIV-(13), BBMP, Bangalore

**Location** : Rajiv Gandhi Nagara 1st cross near Sakshi housing finance Laggere

**Sample Received on** 24.09.2022

**Date of Testing** : 01.10.2022

**Material** : Masonry Sand

Total wt. of aggregates in gms = **1000**

Total wt. of aggregates in gms = **1000**

| Is Sieve Size in mm | Weight Retained (gm) | Retained Weight in % | Cumulative Retained Weight in % | Cumulative Weight Passing in % | Spec.Limits as per IS 2116-1980 |
|---|---|---|---|---|---|
| 4.75 | 0 | 0.00 | 0.00 | 100.0 | 100 |
| 2.36 | 20 | 2.00 | 2.00 | 98.0 | 90-100 |
| 1.18 | 17 | 1.70 | 3.70 | 96.3 | 70-100 |
| 600 Micron | 93 | 9.30 | 13.00 | 87.0 | 40-100 |
| 300 Micron | 235 | 23.50 | 36.50 | 63.5 | 5-70 |
| 150 Micron | 496 | 49.60 | 86.10 | 13.9 | 0-15 |

**Note:**

1. The Material is satisfied as per the requirement.

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Job No.: SCE/BBMP/JCP/69/2022-2023

Date 01.10.2022

# TEST REPORT ON SOLID CONCRETE BLOCKS

**Client** : **Assistant Executive Engineer,** Laggere Sub Division,BBMP, Bangalore.

**Agency** : **M/s J C Prakash Infrastructure Private Limited (Javali Chandranna Prakash),** Contractor, Bangalore.

**Name of the Work** : Comprehensive Development of Roads and Drains in Lavakusha Nagara, Muneshwara Nagara and Surrounding areas in Ward No.69 under Package-2022-23 RRN-DIV-(13), BBMP, Bangalore

**Location** : Rajiv Gandhi Nagara 1st cross near Sakshi housing finance Laggere

**Sample Received on** 24.09.2022

**Date of Testing** 01.10.2022

**Size of Blocks** : 400mm x 200mm x 200mm

**Cross Sectional Area** : 80000 $mm^2$

**Technical Reference** : IS: 2185 (Part 1) - 2005

**No. of Blocks Tested** : 04

| Sl.No. | Block ID | Wt. in Kg | Failure load (KN) | Compressive strength ($N/mm^2$) | Block Density in $Kg/M^3$ | Requirement as per IS 2185 (Part 1) - 2005 |
|---|---|---|---|---|---|---|
| 1 | Block 1 | 30.6 | 405.2 | 5.07 | 1912.50 | Minimum required Compressive Strength of Individual Units 5.00$N/mm^2$ |
| 2 | Block 2 | 31.2 | 409.6 | 5.12 | 1950.00 | |
| 3 | Block 3 | 30.3 | 412.9 | 5.16 | 1893.75 | |
| 4 | Block 4 | 31.8 | 415.8 | 5.20 | 1987.50 | |

Note:

1. The Material is satisfied as per the requirement.

For Sapience Consultants

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Job No.: SCE/BBMP/JCP/69/2022-2023

Date: 07.10.2022

## KERB STONE (CORE) TEST REPORT

| | | |
|---|---|---|
| Client | : | : Assistant Executive Engineer, Laggere Sub Division,BBMP, Bangalore. |
| Agency | : | : M/s J C Prakash Infrastructure Private Limited (Javali Chandranna Prakash), Contractor, Bangalore. |
| Name of Work | : | : Comprehensive Development of Roads and Drains in Lavakusha Nagara, Muneshwara Nagara and Surrounding areas in Ward No.69 under Package-2022-23 RRN-DIV-(13), BBMP, Bangalore |
| Location | : | : Rajiv Gandhi Nagara 1st cross near Sakshi housing finance Laggere |
| Sample Received on | : | 24.09.2022 |
| No.of Sample Tested | : | 03 |
| Date of Testing | : | 07.10.2022 |
| Techinical Reference | : | IS:516-1959 (Reaffirmed 1999), SP-24:1983. |
| Grade of Concrete | : | $M_{20}$ |

| Sl. No. | Dia of Core D (mm) | Height of Core H (mm) | Core Wt (Kg) | Density of Core (kg / $m^3$) | H / D | Correction factor (Based on H/D) | Failure Load (kN) | Core Strength ( $N/mm^2$) | Correction Factor for the Dia. (Strength of the Core x 1.08) | Corrected Cylinder Compressive Strength ($N/mm^2$) | Equivalent Cube Compressive Strength ($N/mm^2$) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 50.00 | 76.00 | 0.345 | 2311.93 | 1.52 | 0.948 | 32.90 | 16.76 | 18.10 | 17.16 | 21.45 |
| 2 | 50.00 | 78.00 | 0.361 | 2357.13 | 1.56 | 0.952 | 33.40 | 17.01 | 18.37 | 17.50 | 21.87 |
| 3 | 50.00 | 80.00 | 0.376 | 2393.69 | 1.60 | 0.957 | 34.50 | 17.57 | 18.98 | 18.16 | 22.70 |

**Note:**

1. The Material is satisfied as per the requirement.

For Sapience Consultants

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Job No.: SCE/BBMP/JCP/69/2022-2023 Date:01.10.2022

## TEST REPORT ON CEMENT

**Client** : **Assistant Executive Engineer,** Laggere Sub Division,BBMP, Bangalore.

**Agency** : **M/s J C Prakash Infrastructure Private Limited (Javali Chandranna Prakash),** Contractor, Bangalore.

**Name of Work** : Comprehensive Development of Roads and Drains in Lavakusha Nagara, Muneshwara Nagara and Surrounding areas in Ward No.69 under Package-2022-23 RRN-DIV-(13), BBMP, Bangalore

**Sample** : : Cement (Zuari 53 grade OPC)

**Location** : Muneshwara Layout 2nd 'B' cross #722 Mathru Kuteera Laggere Ward 69

**Date of Manufacture:** : August-2022

**Sample Received on** : 24.09.2022

**Date of Testing** : 29.09.2022 to 01.10.2022

| Sl.No | Descriptions | Test Method as per IS | Test Result | Requirements as per IS: 269:2015 |
|---|---|---|---|---|
| 1 | a) Initial Setting Time | IS-4031 (Part - 5):1988(RA 2014) | 125 Minutes | Not Less than 30 Minutes |
| | b) Final Setting Time | IS-4031 (Part - 5):1988(RA 2014) | 350 Minutes | Not More than 600 Minutes |
| 2 | Soundness | IS-4031 (Part 3) :1988 (RA 2014) by the Le-Chatelier method | 1 mm | Not more than 10 mm |
| 3 | Standard Consistency | IS-4031 (Part -4) | 29.50% | - |

**For Sapience Consultants**

**Authorised Signatory**

**Note:**

1. The Material is satisfied as per the requirement.

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Email: sapiencebangalore@gmail.com

Job No.: SCE/BBMP/JCP/69/2022-2023 Date : 01.10.2022

## TEST REPORT ON FINE AGGREGATES (SAND)

**Client** : **Assistant Executive Engineer,** Laggere Sub Division,BBMP, Bangalore.
**Agency** : **M/s J C Prakash Infrastructure Private Limited (Javali Chandranna Prakash),** Contractor, Bangalore.
**Name of Work** : Comprehensive Development of Roads and Drains in Lavakusha Nagara, Muneshwara Nagara and Surrounding areas in Ward No.69 under Package-2022-23 RRN-DIV-(13), BBMP, Bangalore
**Location** : Muneshwara Layout 2nd 'B' cross #722 Mathru Kuteera Laggere Ward 69
**Sample Recied on** 24.09.2022
**Date of Testing** : 01.10.2022
**IS Code** :IS 383:2016
:IS 2386 (Part 1):1963(RA 2011)
**Material** : Sand Total Wt. of Aggregates in gms **1000**

| Is Sieve Size in mm | Weight Retained (gm) | Retained Weight in % | Cumulative Retained Weight in % | Cumulative Weight Passing in % | Requirements as per IS 383:2016 Spec.Limits For Zone-II |
|---|---|---|---|---|---|
| 10 | 0 | 0 | 0 | 100 | 100 |
| 4.75 | 73 | 7.30 | 7.30 | 92.7 | 90-100 |
| 2.36 | 118 | 11.80 | 19.10 | 80.9 | 75-100 |
| 1.18 | 197 | 19.70 | 38.80 | 61.2 | 55-90 |
| 600 Micron | 205 | 20.50 | 59.30 | 40.7 | 35-59 |
| 300 Micron | 181 | 18.10 | 77.40 | 22.6 | 8-30 |
| 150 Micron | 177 | 17.70 | 95.10 | 4.9 | 0-10 |

*Note:*
1. The Material is satisfied as per the requirement.

**For Sapience Consultants**

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Job No.: SCE/BBMP/JCP/69/2022-2023

Date : 01.10.2022

## TEST REPORT ON COARSE AGGREGATES

**Client** : **Assistant Executive Engineer,** Laggere Sub Division,BBMP, Bangalore.

**Agency** : **M/s J C Prakash Infrastructure Private Limited (Javali Chandranna Prakash),** Contractor, Bangalore.

**Name of Work** : Comprehensive Development of Roads and Drains in Lavakusha Nagara, Muneshwara Nagara and Surrounding areas in Ward No.69 under Package-2022-23 RRN-DIV-(13), BBMP, Bangalore

Location : Muneshwara Layout 2nd 'B' cross #722 Mathru Kuteera Laggere Ward 69

**Sample Recied on** 24.09.2022

Date of Testing : 01.10.2022

**IS Code** :IS 383:2016

:IS 2386 (Part 1):1963(RA 2011)

Material : 40mm Aggregates

Total Wt. of Aggregates in gms **15000**

| Is Sieve Size in mm | Weight Retained (gm) | Retained Weight in % | Cumulative Retained Weight in % | Cumulative Weight Passing in % | Requirements as per IS 383:2016 |
|---|---|---|---|---|---|
| 80 | 0 | 0 | 0 | 100 | 100 |
| 40 | 208 | 1.39 | 1.39 | 98.61 | 95-100 |
| 20 | 8231 | 54.87 | 56.26 | 43.74 | 30-70 |
| 10 | 3206 | 21.37 | 77.63 | 22.37 | 10-35 |
| 4.75 | 2794 | 18.63 | 96.26 | 3.74 | 0-5 |

***Note:***

1. *The Material is satisfied as per the requirement.*

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